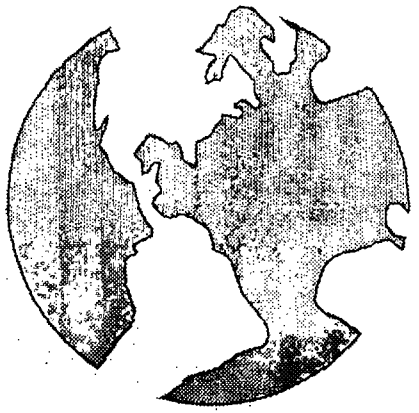
Vasquez Boulevard/I-70



Work Group Meeting

May 6, 1999

Conceptual Model

- Based on results of Phase I sampling, we've found isolated yards with high arsenic levels in the surface soil.
- Based on the intensive sampling program, some properties with high arsenic levels show boundary effects while others have low arsenic levels throughout the yard.
- Source of arsenic is not known, but is currently under investigation by EPA with input from the Working Group.

Conceptual Model (cont'd)

- Problem: arsenic levels in residential surface soils are random.
- Approximately ~1200 residences have been sampled out of ~4000 residences located in the study area.
- There could be other residences with high arsenic levels..

Phase III Sampling Event

- Sample all properties not yet tested
- Collect surface soils only
- Composite samples
- Dry and sieve soils to fine particle size (<250 μm)
- Test fines for arsenic and lead using a fixed-base XRF with ICP confirmation

Indoor Dust Collection

- Indoor dust samples were collected at removal homes during the Risk-Based Sampling program.
  - This limited data set could be improved to support a human health risk assessment.
  - Indoor dust will be collected from about 50 residences.
- Target residences will be stratified across the range of arsenic levels.

Indoor Dust Collection (cont'd)

- Use vacuum collection method.
- Collect a composite from several living spaces (e.g. living room, bedrooms, hallway, kitchen).
- Sample preparation: sieve and digest with acid
- Analyze arsenic and lead using ICP/MS or GFAA.

TARGET SHEET

EPA REGION VIII

SUPERFUND DOCUMENT MANAGEMENT SYSTEM

DOCUMENT NUMBER: 2006884

SITE NAME: VASQUEZ BLVD./INTERSTATE 70

DOCUMENT DATE: 05/06/1999

DOCUMENT NOT SCANNED

Due to one of the following reasons:

- ☐ PHOTOGRAPHS
- ☐ 3-DIMENSIONAL
- ☐ OVERSIZED
- ☐ AUDIO/VISUAL
- ☐ PERMANENTLY BOUND DOCUMENTS
- ☐ POOR LEGIBILITY
- ☑ OTHER
- ☐ NOT AVAILABLE
- ☐ TYPES OF DOCUMENTS NOT TO BE SCANNED
  (Data Packages, Data Validation, Sampling Data, CBI, Chain of Custody)

DOCUMENT DESCRIPTION:

POWERPOINT PRESENTATION OVERLAYS

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